mation relating to, for example, a density of pedestrian traffic and a congestion level of a local data network.

[0019] Mobile cloud, which may be referred to also as mobile peer-to-peer network, 102, is illustrated as comprising three mobiles 102a, 102b and 102c. The mobiles may comprise cellular mobile telephones, laptop computers, tablet computers, personal digital assistant, PDA, devices or other electronic devices with wired and/or wireless communication capability. Mobile 102c is illustrated as being in wireless communication with base station 103 via wireless link 23c. Base station 103 may be configured to operate in accordance with a cellular radio access technology, such as long term evolution, LTE, wideband code division multiple access, WCDMA, or another technology.

[0020] Base station 103 may control a cell operating in accordance with the technology, and wireless link 23c may operate in accordance with the technology. Wireless link 23c may comprise an uplink for conveying information from mobile 102c to base station 103, and a downlink for conveying information from base station 103 to mobile 102c. A user of mobile 102c may access services of the cellular network where base station 103 is comprise in, via wireless link 23c. In other words, the user may engage in cellular telephony, web browsing and/or other cellular services via wireless link 23c and base station 103. Base station 103 is operably connected, via connection 1034, to a base station controller node or another cellular network node, which are not illustrated in FIG. 1. In some embodiments, such as for example in LTE systems, base station 103 may be connected to another base station

[0021] In the mobile cloud, mobile 102c is illustrated as being in communication with mobile 102b via wireless connection 22bc. Wireless connection 22bc may operate in accordance with a different wireless communication technology than wireless connection 23c. For example, wireless connection 22bc may operate in accordance with the wireless local area network, WLAN, Bluetooth, or another technology. In some embodiments, wireless connection 22bc operates using a same or a different cellular radio technology as wireless connection 23c.

[0022] The mobile cloud may be maintained using wireless connections such as wireless connection 22bc between mobiles comprised in the mobile cloud. Each mobile comprised in the mobile cloud may maintain a data structure comprising information relating to the mobile cloud. Information relating to the mobile cloud may comprise, for example, identities and capabilities of mobiles comprised in the cloud, information relating to radio paths between pairs of mobiles comprised in the mobile cloud and user preferences of mobiles comprised in the mobile cloud. The information, mobile cloud and wireless connections interconnecting the mobiles in the mobile cloud may together enable virtualization of at least some capabilities of mobiles 102a, 102b and 103c. Virtualized capabilities may be indicated as available to other mobiles in the cloud, for example where mobile 102b is temporarily outside cellular coverage of base station 103, it may access the cellular communication capability of mobile 102c to send a message using the cellular network, wherein the message is transferred via wireless connections 22bc and 23c, and connection 1034. In this case, mobile 102c may advertise a virtualized active cellular communication capability in the mobile cloud, enabling mobile 102b to use it.

[0023] Alternatively to each mobile storing the information relating to the mobile cloud, at least one of the mobiles may at

least in part rely on at least one further mobile comprised in the mobile cloud to store the information relating to the mobile cloud. For example, the mobile cloud may designate one mobile as a lead node responsible for maintaining the information relating to the mobile cloud. In this example, when other mobiles need the information relating to the mobile cloud, they may be configured to request the relevant part, or all, of the information relating to the mobile cloud from the designated lead node.

[0024] Although only one wireless link 22bc is illustrated connecting mobiles comprised in mobile cloud 102, it is understood that mobiles comprised in the cloud may be capable of communicating with each other in general, using wireless links similar to wireless link 22bc. Each mobile may not be capable of establishing a direct wireless link with each and every other mobile in the mobile cloud, but the mobile cloud may nonetheless be communicably bound in the sense that each mobile comprised in the mobile cloud may be capable of communicating with each other mobile comprised in the mobile cloud when messages are routed within the mobile cloud indirectly via mobiles comprised in the cloud. [0025] In FIG. 1, wireless links 12ba, 12bc and 12cb connect sensor nodes comprised in sensor network 101 to mobiles comprised in the mobile cloud 102. In detail, wireless link 12ba connects sensor node 101b to mobile 102a. wireless link 12bc connects sensor node 101b to mobile 102c and wireless link 12cb connects sensor node 101c to mobile 102b. Wireless links 12ba, 12bc and 12cb may be based on the same, or different, radio access technologies than links, such as wireless link 22bc, within mobile cloud 102, and links, such as wireless link 23c, between mobiles and cellular base stations. One example of a technology wireless links 12ba, 12bc and 12bc may act in accordance with is near field communication, NFC. Another example is the Wibree lowpower communication technology.

[0026] Mobile 102a, for example, may request sensor data from sensor node 101b over wireless link 12ba. In detail, mobile 102a may transmit a request message to sensor node 101b over wireless link 12ba. Responsively, sensor node 101b may be configured to provide the requested sensor data, either over wireless link 12ba or by transmitting over wireless link 12ba information enabling mobile 102a to access the requested sensor data. For example, where sensor node 101bhas uploaded sensor data to a server node using sensor interconnect network 101N, sensor node 101b may provide mobile 102a information enabling mobile 102a to access the sensor data from the server node. Such information may comprise an address of the server node and, optionally, credentials configured to allow access for mobile 102a to the requested sensor data, for example. The information may also or alternatively comprise a data identifier identifying a specific set of sensor data stored in the server node from among a plurality of sensor data sets stored in the server node.

[0027] Mobile 102a may request sensor data from sensor node 101b over wireless link 12ba even when the requested sensor data has not been sensed by sensor 101b. In this case, sensor network 101 may communicate using the sensor interconnect network 101N to discover, if a sensor is comprised in sensor network 101 that is capable of providing the requested sensor data. Responsive to such a sensor node being identified, the identified sensor node may provide the requested sensor data, or information enabling access to it, to mobile 102a either via sensor interconnect 101N, sensor node 101b and wireless link 12ba, or by opening a new, direct wireless